Misc Stream Valley Improvements -- No. 807359

Category	**Conservation of Natural Resources**	Date Last Modified	**January 5, 2006**
Agency	**Environmental Protection**	Required Adequate Public Facility	**NO**
Planning Area	**Countywide**		
Relocation Impact	**None**		

EXPENDITURE SCHEDULE ($000)

Cost Element	Total	Thru FY05	Est. FY06	Total 6 Years	FY07	FY08	FY09	FY10	FY11	FY12	Beyond 6 Years
Planning, Design and Supervision	3,818	0	500	3,318	668	530	530	530	530	530	0
Land	44	0	14	30	5	5	5	5	5	5	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	7,052	0	1,623	5,429	1,129	860	860	860	860	860	0
Other											
Total	10,914	0	2,137	8,777	1,802	1,395	1,395	1,395	1,395	1,395	*

FUNDING SCHEDULE ($000)

G.O. Bonds	4,175	0	875	3,300	550	550	550	550	550	550	0
Current Revenue: General	0	0	0	0	0	0	0	0	0	0	0
Federal Aid	467	0	245	222	222	0	0	0	0	0	0
Stormwater Management Waiver Fees	3,930	0	0	3,930	980	590	590	590	590	590	0
State Aid	2,342	0	1,017	1,325	50	255	255	255	255	255	0

ANNUAL OPERATING BUDGET IMPACT ($000)

Maintenance				339	19	34	49	64	79	94	0
Net Impact				339	19	34	49	64	79	94	0

DESCRIPTION

This project designs and constructs habitat restoration or stabilization measures to stream reaches having severe channel erosion, sedimentation, and habitat degradation. Absent modern stormwater controls, stream environment is impacted by excessive stream flow volumes and velocities which severely erode stream banks and cause excessive sedimentation, loss of trees eroding stream banks, loss of habitat for fish and aquatic life, and/or local flooding damage. Damaged storm drain outfalls in project areas are identified and assessed to determine repair needs. Where possible, outfalls are repaired as part of stream restoration projects and funded from the Outfall Repairs project (No. 509948). When feasible, outfall discharges are redirected to create small constructed wetlands which provide new habitat and mitigate discharge impacts. Stream erosion impacts sanitary sewers crossing the stream, exposing sewer lines and manholes. Exposed and damaged sewer lines can be fish barriers and can leak raw sewage into streams or allow infiltration of stream baseflow into the sewer system, potentially causing substantial increases in wastewater treatment costs. DEP identifies damaged sewer lines as part of the project and WSSC makes sewer repairs during project construction.

Service Area

Countywide.

JUSTIFICATION

The project will stabilize and improve local stream habitat conditions where streams have been damaged by inadequately controlled stormwater runoff. This project supports the Chesapeake Bay initiatives and the Anacostia Watershed Restoration Agreement, addresses County municipal National Pollutant Discharge Elimination System (NPDES) stormwater discharge permit requirements, and implements the County's adopted water quality goals (Chapter 19, Article IV). Corrective measures constructed or coordinated under this project include stream bank stabilization, channel modifications, storm drain outfall or sanitary sewer repairs and habitat restoration to improve fish and other biological resources, and reduce sediment and nutrient loading caused by excessive streambank erosion.

Plans and Studies

Watershed studies, conducted under Facility Planning: SM (No. 809319), identify and prioritize stream reaches in need of restoration and protection. Studies, completed in Paint Branch, Rock Creek, Little Falls Branch, Cabin John Creek, Hawlings River and Northwest Branch, have identified over 250 potential stream restoration projects for future design and construction. The Countywide Stream Protection Strategy (DEP 2003) is used to target projects in priority subwatersheds.

Cost Change

Increase in project funding to expedite the implementation of inventoried projects and for the addition of FY11 and FY12 to this ongoing project.

STATUS

Ongoing. Phased project groupings planned for FY06-08 are as follows. Construction FY06: Little Falls II, Lower Hawlings I, Spruell Drive Tributary, Turkey Branch, Peachwood Park, Glenmont Tributary. Design FY06 and construction FY07: Coquelin Run; Alta Vista, Booze Creek, Glenallan and Pine Lake Tributaries. Design FY07 and construction FY08: Donnybrook Tributary, Hollywood Branch I and Cold Spring Tributary.

OTHER

Remedial project activities are primarily located in areas developed prior to the County's SWM law. * Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY73	($000)
Initial Cost Estimate		1,200
First Cost Estimate Current Scope	FY07	10,914
Last FY's Cost Estimate		9,561
Present Cost Estimate		10,914
Appropriation Request	FY07	1,395
Appropriation Request Est.	FY08	1,395
Supplemental Appropriation Request	FY06	0
Transfer		0
Cumulative Appropriation		2,544
Expenditures/ Encumbrances		1,172
Unencumbered Balance		1,372
Partial Closeout Thru	FY04	5,808
New Partial Closeout	FY05	2,237
Total Partial Closeout		8,045

COORDINATION

Department of Environmental Protection will provide overall project coordination and direction.
Department of Public Works and Transportation will coordinate on damaged storm drain outfalls in project areas.
M-NCPPC will review design concepts as part of the mandatory referral process.
WSSC will coordinate protection of sewers as required.
Department of Permitting Services
Montgomery County Conservation Corps assistance on small projects.
Facility Planning: SM
Outfall Repairs

The Executive asserts that this project conforms to the requirements of relevant local plans as required by the Maryland Economic Growth, Resource Protection and Planning Act.

MAP